

max. 79 m³/h

DC axial fans

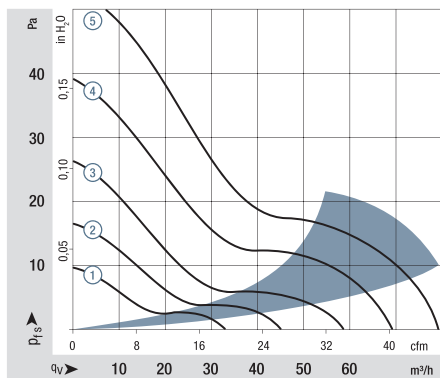
□ 80 x 25 mm



- **Material:** Housing: GRP¹⁾ (PBT)
Impeller: GRP¹⁾ (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Connection:** Via single wires AWG 24, TR 64
- **Highlights:** Some models are suitable for use at high ambient temperatures until 85 °C
- **Mass:** 95 g
- **Possible special versions:** (See chapter DC fans - specials)
 - Speed signal
 - Go- / NoGo-alarm
 - Alarm with limit speed
 - External temperature sensor
 - Internal temperature sensor
 - PWM control input
 - Analog control input
 - Humidity protection
 - Degree of protection: IP 54 / IP 68

1) Fibreglass-reinforced plastic

Series 8400 N															
Nominal data		Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sinter sleeve bearings Ball bearings	Input power	Nominal speed	Temperature range	Service life L ₁₀ (40 °C) ebm-papst Standard	Service life L ₁₀ (T _{max}) ebm-papst Standard	Life expectancy L ₁₀ IPC (40 °C) see page 17	Curve
Type		m³/h	cfm	VDC	VDC	dB(A)	Bel(A)	□ / ■	Watts	rpm	°C	Hours	Hours	Hours	
8412 NGLE		33	19,4	12	8...15	12	3,5	□	0,5	1 500	-20...+85	80 000 / 27 500	135 000	135 000	①
8412 NLE		33	19,4	12	8...15	17	3,7	■	0,3	1 500	-20...+85	80 000 / 27 500	135 000	135 000	①
8412 NGMLE		45	26,5	12	8...15	19	3,9	□	0,9	2 050	-20...+80	80 000 / 32 500	135 000	135 000	②
8412 NMLE		45	26,5	12	8...15	21	4,0	■	0,6	2 050	-20...+85	80 000 / 27 500	135 000	135 000	②
8412 NGME		58	34,1	12	8...15	26	4,3	□	1,4	2 600	-20...+75	80 000 / 35 000	135 000	135 000	③
8412 NME		58	34,1	12	8...15	27	4,4	■	1,0	2 600	-20...+75	80 000 / 35 000	135 000	135 000	③
8412 NG		69	40,6	12	8...15	32	4,7	□	2,0	3 100	-20...+70	70 000 / 35 000	117 500	117 500	④
8412 N		69	40,6	12	8...15	32	4,7	■	1,7	3 100	-20...+70	70 000 / 35 000	117 500	117 500	④
8412 NH		79	46,5	12	8...13,2	37	5,0	■	2,1	3 600	-20...+70	70 000 / 35 000	117 500	117 500	⑤
8412 NH-217		79	46,5	12	8...15	37	5,0	■	2,5	3 600	-20...+70	70 000 / 35 000	117 500	117 500	⑤
8414 NGL		33	19,4	24	18...28	12	3,5	□	0,9	1 500	-20...+70	80 000 / 40 000	135 000	135 000	①
8414 NL		33	19,4	24	18...28	17	3,7	■	0,8	1 500	-20...+70	80 000 / 40 000	135 000	135 000	①
8414 NGML		45	26,5	24	18...28	19	3,9	□	1,2	2 050	-20...+70	80 000 / 40 000	135 000	135 000	②
8414 NML		45	26,5	24	18...28	21	4,0	■	1,1	2 050	-20...+70	80 000 / 40 000	135 000	135 000	②
8414 NGM		58	34,1	24	18...28	26	4,3	□	1,4	2 600	-20...+70	80 000 / 40 000	135 000	135 000	③
8414 NM		58	34,1	24	18...28	27	4,4	■	1,4	2 600	-20...+70	80 000 / 40 000	135 000	135 000	③
8414 NG		69	40,6	24	18...28	32	4,7	□	2,2	3 100	-20...+70	70 000 / 35 000	117 500	117 500	④
8414 N		69	40,6	24	18...28	32	4,7	■	1,8	3 100	-20...+70	70 000 / 35 000	117 500	117 500	④
8414 NH		79	46,5	24	18...26	37	5,0	■	2,4	3 600	-20...+70	70 000 / 35 000	117 500	117 500	⑤
8414 NH-221		79	46,5	24	18...28	37	5,0	■	2,2	3 600	-20...+70	70 000 / 35 000	117 500	117 500	⑤
8418 N		69	40,6	48	36...56	32	4,7	■	2,0	3 100	-20...+70	70 000 / 35 000	117 500	117 500	④



Air performance measured as per: ISO 5801,
Installation category A, without accidental contact.
Noise: Total sound power level L_{WA} ISO 103002
measured on half-sphere of 2 m;
Sound pressure level L_{pA} measured at 1 m distance to fan axis.
The acoustic values are only valid for the described measurement
set-up and may vary depending on the installation situation.
In case of any deviation to the standard setup, the values have
to be checked and reviewed once installed or fitted.
For detailed information see
<http://www.elbm-papst.com/general-conditions>

